

## **TRUSSCORE PVC INTERLOCKING LINER PANEL**

**NOTE: THESE MASTER SPECIFICATIONS ARE TO BE UTILIZED AS A GUIDELINE AND IT IS ADVISED THAT THE EDITOR CONTACT A DOMTEK BUILDING PRODUCTS REPRESENTATIVE IN ORDER TO FACILITATE THE COMPLETION OR ADAPTATION OF THE SPECIFICATION ON AN INDIVIDUAL PROJECT BASIS IN ORDER TO ACCOUNT FOR PARTICULAR CONDITIONS AND REQUIREMENTS FOR SAID PROJECT**

**IT IS RECOMMENDED THAT THIS SPECIFICATION IS USED IN CONJUNCTION WITH THE INSTALLATION GUIDE & WARRANTY BROCHURE THAT IS AVAILABE AT [WWW.DOMTEK.CA](http://WWW.DOMTEK.CA)**

**FURTHER INFORMATION CAN ALSO BE OBTAINED BY CALLING 1-800-665-1027**

## 1: GENERAL

### 1.1 DESCRIPTION

- .1 This section specifies the requirements for the supply and installation of interlocking PVC wall and ceiling panelling and related accessories.

### 1.2 RELATED SECTIONS

*\*\*\* NOTE TO SPECIFIER: THE FOLLOWING IS A PARTIAL LISTING OF POTENTIAL RELATED DIVISIONS OR SECTIONS ON YOUR PROJECT. PLEASE CUSTOMIZE IN ORDER TO ACCOUNT FOR ALL SECTIONS IN THE PROJECT SPECIFICATION THAT DIRECTLY AFFECT THIS SECTION \*\*\**

- .1 SECTION 03 00 00 CONCRETE
- .2 SECTION 04 00 00 MASONRY
- .3 SECTION 05 00 00 METALS
- .4 SECTION 06 00 00 WOOD AND PLASTICS
- .5 SECTION 07 00 00 JOINT SEALANTS

### 1.3 REFERENCE STANDARDS

- .1 CAN/ULC S102.2-10 - Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Covering and Miscellaneous Materials and Assemblies
- .2 ASTM E84-15b - Standard Test Method for Surface Burning Characteristics of Building Materials
- .3 ASTM D4226 – Standard Test Method for Impact Resistance
- .4 ASTM G21 – Standard Test Method Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi
- .5 CFIA (Canadian Food Inspection Agency) AND FDA (U.S. Food & Drug Administration) approved.

### 1.4 TECHNICAL DOCUMENTS

- .1 Submit a copy of the most current material safety data sheets.
- .2 Submit a copy of the installation guide for the materials.

### 1.5 CONTRACTOR QUALIFICATIONS

- .1 Required work must be carried out by a competent contractor with proven experience in the installation of the materials, who is employed by an enterprise that has adequate and necessary equipment available to complete the required work.

### 1.6 MATERIAL STORAGE AND DELIVERY

- .1 Deliver materials on-site in accordance to recommendations of the manufacturer.
- .2 Handle and store materials, prior and during the installation process, in accordance to recommendations of the manufacturer.

### 1.7 WARRANTY

- .1 At project close out, provide to the Owner or Owner's Representative an executed copy of the manufacturer's standard limited warranty against manufacturing defect, outlining its terms, conditions, and exclusions from coverage.
  - .1 Term: Limited Lifetime

## 2: PRODUCTS

### 2.1 MANUFACTURER

- .1 Manufacturer of TRUSSCORE PVC Interlocking Liner Panels as distributed by:  
Domtek Building Products  
P.O. Box 20078  
Brandon, MB R7A 6Y8  
1-800-265-6001  
www.domtek.ca

### 2.2 PVC PANELS

#### .1 INTERLOCKING PVC LINER PANEL

- .1 Description: mechanically fastened, tongue-and-groove interlocking 100% virgin polyvinyl chloride (PVC) panel with patented inner truss system (Class A fire rating).
- .2 Panel width: 16" (406.4mm)

\*\*\* NOTE TO SPECIFIER: CUSTOMIZE IN ORDER TO ACCOUNT FOR PARTICULAR REQUIREMENTS OF THE PROJECT AS IT RELATES TO REQUIRED PANEL LENGTH \*\*\*

- .3 Panel length: [8'0" (2440mm)][10'0" (3050mm)][12'0" (3660mm)][14'0" (4270mm)] [16'0" (4880 mm)][20'0" (6100mm)][\*CUSTOM LENGTH\*] cut to suit installation.
- .4 Panel thickness: ½" (12.7mm) with patented internal truss design.
- .5 Colour: White
- .6 *Specified Product: TRUSSCORE PVC Interlocking Liner Panel*

### 2.3 TRIMS AND FLASHINGS

\*\*\* NOTE TO SPECIFIER: CUSTOMIZE IN ORDER TO ACCOUNT FOR PARTICULAR REQUIREMENTS OF THE PROJECT AS IT RELATES TO REQUIRED TRIMS. FOR FOOD FACILITIES ALL CORNERS AND WALL-FLOOR JUNCTIONS SHALL BE COVERED WITH A MINIMUM RADIUS OF 25mm. \*\*\*

#### .1 PVC LINER PANEL TRIM

- .1 Description: mechanically fastened, 100% virgin polyvinyl chloride (PVC) trim provided by manufacturer.
- .2 Colour: White
- .3 *Specified Product: TRUSSCORE PVC [J-Trim][Outside Corner Trim][Inside Corner Cove Trim][Base Trim][H Divider Trim][Inside/Outside Corner Trim][45 degree H Divider]*

## 2.4 FASTENERS

*\*\*\* NOTE TO SPECIFIER: CUSTOMIZE IN ORDER TO ACCOUNT FOR PARTICULAR REQUIREMENTS OF THE PROJECT AS IT RELATES TO REQUIRED FASTENERS. FOR GENERAL APPLICATIONS SPECIFY ZINC PLATED FASTENERS. FOR HIGH MOISTURE APPLICATIONS SPECIFY STAINLESS STEEL FASTENERS. \*\*\**

### .1 ZINC PLATED FASTENERS

Description: zinc coated, 1" (25mm), No. 10 pancake head screw or as recommended by manufacturer

### .2 STAINLESS STEEL FASTENERS

Description: stainless steel, 1" (25mm), No. 10 pancake head screw or as recommended by manufacturer

## 2.5 SEALANT

### .1 SILICONE SEALANT

Description: non-corrosive, one-part neutral cure silicone sealant in white as recommended by manufacturer.

## 3: EXECUTION OF WORK

### 3.1 GENERAL PREPARATION

- .1 Prior to installation of TRUSSCORE panels the building and materials must be conditioned to a temperature above 10°C (50°F) for a minimum of 24 hours.
- .2 Follow proper safety measures and review product's installation instructions and guide prior to commencing work.
- .3 Ensure work completed complies with all local and national building codes.

### 3.2 SURFACE PREPARATION

- .1 Check surfaces for straightness and install strapping where necessary.
- .2 Install wood or metal strapping (1" x 4" or 2" x 4") perpendicular to the framing members every 24" (600mm).
- .3 Ensure all vapour barriers, and other underlying materials are installed to code prior to TRUSSCORE panels being installed.
- .4 Install wood blocking around all openings to properly support trims.
- .5 When installing electrical, lighting, or other items, install adequate backing at each location as required.
- .6 ½" plywood is recommended when solid sheathing is required. 7/16" OSB is the minimum allowable sheathing.

### 3.3 GENERAL INSTALLATION GUIDELINES

- .1 It is recommended that TRUSSCORE panels run parallel to ceiling joists, roof trusses or wall studs.
- .2 Leave a minimum of ¼" (6mm) clearance at ends of all panels and trims to allow for expansion and contraction.
- .3 Keep the joints uniform to ensure that all joints remain parallel.
- .4 Use a putty knife while sliding panels into trim to ensure a tight fit.
- .5 In high moisture applications use stainless steel fasteners and apply sealant into the female end of all panels.
- .6 Before installing the second panel ensure the first panel is completely fastened.

- .7 Before fastening the second panel ensure that the panel is interlocked along its entire length with the adjacent panel.
- .8 All panels should be allowed to slide free after fastening to allow for expansion and contraction. Always fasten in the center of the nailing flange. Allow a minimum of 1/16" (1.5mm) between the back of the fastener head and the nailing flange. Do not fasten tightly. Do not face nail.
- .9 Fasteners should be no more than 24" (600mm) apart and at least 4" (100mm) from the end of the panel.
- .10 Apply silicone sealant to seal all corners, to seal around all fixtures and to repair small holes.
- .11 If cutting, it is recommended that a fine tooth saw blade is used and installed into the saw in the reverse direction for a cleaner surface cut.
- .12 Do not install TRUSSCORE panels at temperatures below 10°C (50°F).

#### 3.4 CEILING PANEL INSTALLATION GUIDELINES

- .1 When installing TRUSSCORE panels on ceilings and walls, install the ceiling panels first.
- .2 Begin by installing the necessary trim on the perimeter of the ceiling. Fasten trim at 24" (600mm) maximum intervals to wood strips or the ceiling members along the perimeter of the ceiling area.
- .3 Cut the width and length of the first panel for the first course. Install into the necessary trim at one corner of the ceiling. Be sure to leave room in the trim for 1/8" (3mm) expansion at the side and for 1/4" (6mm) expansion at the end. Fasten every 24" (600mm) maximum, positioning fasteners in the centre of the nailing flange. Do not fasten tightly. Do not fasten within 4" (100mm) of the end of the panels.
- .4 Install trim on the end of the first course leaving room for expansion 1/4" (6mm). Fasten the trim on the other side to wood supports at 24" (600mm) on center.
- .5 As the installation proceeds install J-Trim around all openings. Cut the panels to suit the J-Trim. Be sure to leave room for expansion of the paneling and the J-Trim (As per General Instruction Guidelines).

#### 3.5 WALL PANEL INSTALLATION GUIDELINES

- .1 Ensure all required [Base Trim][J-Trim] is installed along the bottom of the wall and [J-Trim][Inside Corner Cove Trim] is installed along the top of the wall prior to the application of the first panel.
- .2 Install TRUSSCORE panels on walls in a similar manner to the ceiling installation.
- .3 Beginning at a corner, install the first panel into the previously installed trims. Slide the panel until it is flush with the wall corner.
- .4 When installing TRUSSCORE panels on walls and ceilings, install the ceiling panels before installing the Inside Corner Cove Trim for the wall if required.
- .5 Begin by installing the Base Trim along the bottom of the wall. If using a J-Trim be sure to drill 1/4" (6mm) diameter drain holes in the bottom of the J-Trim at 16" on center for drainage.
- .6 Inside corner installation options:
  - .1 Install J-Trim vertically to finish the ends of the butt joints.
  - .2 Install the Inside Corner Cove Trims on ceiling panels first then install first panel on wall. Make a 2" (50mm) cut on the backside of the trim to overlap the existing ceiling trims and wall panel properly. Install other wall panel into Inside Corner Cove Trim.
- .7 If the ceiling is not finished or an Inside Cove trim is not used install a J-Trim to the top of the TRUSSCORE panel.

### 3.6 CLEANING

- .1 Clean surfaces in accordance to manufacturer's recommendations.
- .2 To remove common dirt and grime, wash using a long handled sponge or soft bristle brush and a mild cleaning solution.
- .3 If the dirt is hard to remove, wipe clean with a solution of:
  - 1/3 cup laundry detergent
  - 2/3 cup Tri-sodium phosphate
  - 1 gallon of water
- .4 Protect eyes and skin from direct contact with cleaning agents.
- .5 Follow the precautionary labeling instructions on all cleaning agent containers.
- .6 For removal of stubborn stains and other marks, contact your nearest Domtek Building Products representative for further recommendations.

END OF SECTION